

Sequence Listing

<110> Sidhu, Sachdev Weiss, Gregory A. Wells, James A.

<120> IMPROVEMENTS IN PHAGE DISPLAY

<130> P1581R2

<140> US 09/380,447 <141> 1999-09-01

<150> US 60/134,870

<151> 1999-05-19

<150> US 60/133,296

<151> 1999-05-10

<150> US 60/103,514

<151> 1998-10-08

<150> US 60/094,291

<151> 1998-07-27

<150> PCT/USUS99/16596

<151> 1999-07-22

<160> 287

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<213> Artificial sequence

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<220>

<221> unsure

<222> 12-30

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<400> 1

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Glu Thr Ala Ser Ala Gln Leu Ser Asn Phe Ala Ala Lys Ala Pro

Asp Asp Gly Glu Ala

<210> 2

TECH CENTER IO ROOM OF THE PROPERTY OF THE PRO

Mal A

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<213> M13 phage
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<223> coat protein VIII
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 Val Ile Val Gly Ala Thr Ile Gly Ile Lys Leu Phe Lys Lys Phe
 Thr Ser Lys Ala Ser
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 Thr Ser Lys Ala Ser
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<223> coat protein VIII

Section 1974

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Leu Val Val Gly Ala Thr Val Gly Ile Lys Leu Phe Lys Lys Phe

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 Thr Gln Ala Thr Asp Leu Ile Asp Gln Thr Trp Pro Val Val Thr
 Ser Val Ala Val Ala Gly Leu Ala Ile Arg Leu Phe Lys Lys Phe
 Ser Ser Lys Ala Val
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<223> coat protein VIII
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Thr Gln Ala Ile Asp Leu Ile Ser Gln Thr Trp Pro Val Val Thr
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-220-

<223> oligonucleotide primer

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<222> 19, 22, 25, 28, 31, 34, 37-38, 40-41, 43-44
<223> unknown base
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 gtttaagaaa ttcacc 66
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<222> 19-20, 22-23, 31-32, 34-35, 37-38, 43-44, 46-47
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 ataaaccgat acaattaaag gc 72
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<210> 30
<211> 57
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ccgctct 57
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<223> mutagenic oligonucleotide

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 Tyr Met Leu Leu Val Glu Ala Ser Pro Trp Ala Ala Lys Ala Pro
 Asp Asp Gly Glu Ala
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cvvcvvcvvc vvcvvcvvcg gcggtgccga gggtgacgat ccc 93
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<220>

<400> 35

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c 51
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 ccgagggtga cgatccc 67
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vcvvcvvcvv cvvcvvcvvc vvcvvcvvcg ccgagggtga cgatccc 97
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 tatcggttat gcgtgg 66
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 cattgtcggc gcaact 66
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<400> 42
 gcaaaagcgg cctataacgc tcttgaggat att 33
<210> 43
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<212> DNA
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<400> 43
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<210> 44
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 tatcggttat gcgtgg 66
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 cgagggtgac gatccc 66
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 cggttatgcg 60
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cattgtcggc gcaact 66
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 accgaacttt tcttttatct tgggactgtg cat 33
<210> 68
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gaacttttct ttctcgcggg gactgtgcat ctt 33
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cggttatgcg 60
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Gly Gly Arg Pro Val
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345 Table 13

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 Ser Ala Gln Leu Ser Asn Phe Ala Ala Lys Ala Pro Asp Asp Gly
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Glu Ala Ala His His His His His Ala

35

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- Ser Val Asp Val Asp Asn Asn Trp Ile Trp Ala Val Gly Ile Ile
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Asp Asp Gly Glu Ala Ala Ala Asp Ala 50

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- tcgtggaggc gtcgccctgg gctgctaagg cgccagacga tggtgaagct 150
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 Ala Arg Gly Pro Thr
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His Thr Pro Gly Ala

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Lys Leu Phe Lys Lys Phe Thr Ser Lys

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